

COMMUNICATIONS **OFFICIELLES**

Les membres du personnel sont censés avoir pris connaissance des communications officielles ci-après.

OFFICIAL NEWS

Members of the personnel shall be deemed to have taken note of the news under this heading

EXECUTIVE BOARD SUMMARY

At its Seventy-ninth meeting held on 18 June 1981, the Executive Board approved the following Capital Projects:

- Upgrading of the West Area;
- Standing Wave Cavity Development for the SPS;
- Neutrino Beam for Neutrino Oscillations Experiments.

It then heard a brief report on the progress in the Working Group on Pensions.

The Executive Board approved the text of a paper on "CERN Radiation Protection Policy" which is reproduced on the opposite page of this issue of the Weekly Bulletin.

Lastly, the Board approved the proposals for promotions, category changes and indefinite appointments for Research Staff arising out from the 1981 Staff Review. Details are given in the tables below:

<u>CERN STAFF REVIEW 1981 - INDEFINITE APPOINTMENTS</u>					
	Candidates	Yes	No	Pending	Declined, delayed at own request, departed
Indefinite Appointments (Incl. Research Staff)	78	59	6	7	6

<u>STAFF SURVEY 1981 - PROMOTION STATISTICS</u>		
	TOTALS	%
1. Number of Staff - Grades 2-10 (31.5.1981)	3144	100
2. Promotion quota 1981	200	6.36
3. Quota promotions agreed - Grades 2 - 10	197	
4. Out-of-quota* and exceptional promotions agreed	56	
5. STAC ^① promotions agreed	3	
6. TOTAL 3 + 4 + 5	256	8.14
7. Number of Senior Staff - Grades 11-14 (31.5.1981)	453	
8. Senior Staff promotions agreed	10	2.21
Total number of Staff	3597	7.40
Total promotions agreed	266	

* Justification for out-of-quota proposals:

External recruitment } Conditions as defined in CERN Bulletin 9/80 dated 25.2.1980
Internal transfer }

① Senior Technical Assistant Committee.

CERN RADIATION PROTECTION POLICY

June 1981

The use of ionizing radiations as the main tool of research in high-energy physics implies that exposure of the personnel to radiation is unavoidable.

New recommendations by the International Commission on Radiobiological Protection (ICRP) and changes in the legislations of the Host and Member States lead to the following formulation of the CERN Radiation Protection Policy.

1. Exposure of any person to CERN-produced ionizing radiation, and the total collective dose received from sources of radiation at CERN, shall be kept as low as reasonably achievable. Persons shall not be exposed unnecessarily.
2. All work in the presence of radiation must be planned and executed in accordance with the rules and regulations contained in the CERN Radiation Safety Manual. This document is in compliance with the legislations of the Host Countries and the recommendations of the ICRP.
3. Every person is responsible for the application of the radiation-protection rules and regulations in his own work and in that of any person working under his supervision.
4. The Radiation Protection Group must be consulted in the initial stages of the planning of installations, operations or experiments that may involve exposures of persons to radiation.
5. The absolute upper limit for annual exposure is the same as in the Host Countries¹. For persons who are not under individual control² by means of personal dosimetry, the exposure limit is that set for individual members of the public.
6. Any task likely to lead to an annual personal exposure exceeding 3/10 of the limit for annual exposure (see footnote 1) needs prior authorization by the Division Leader. It should not be envisaged unless a reduction of the expected exposure by means of sharing or other measures proves to be unreasonable or impossible. The dose of 3/10 of the limit for annual exposure is defined as the reference level.
7. Operations, experiments and installations shall be designed in such a way as to keep the individual annual exposures well below the reference level (with an allowance for unforeseen and emergency exposures). Apparatus likely to be irradiated must be designed for maximum reliability, accessibility and ease of handling to minimize exposures of personnel during maintenance and repair work, and during decommissioning.
8. CERN may require all persons working on its sites to accept exposures consistent with this policy and with the rules and regulations associated with it. In particular they may be asked to perform tasks to ensure sharing of doses so as to keep individual exposures as low as is reasonably achievable.
9. For contractors' personnel and other persons not belonging to the Organization the same reference level as for CERN personnel shall be applied. In addition, the dose received at CERN by any such person working for or at CERN for less than twelve months shall not exceed 1/12 of the limit for annual exposure per month, averaged over the period of presence at the Laboratory.
10. The level of radiation outside the CERN fences caused by radiation or radioactivity released by CERN shall not exceed 3/100 of the limit for annual exposure. The dose received due to CERN operations by persons living or staying outside the CERN fences shall not exceed 1/100 of the limit of the annual exposure³ on the average. Of this, not more than 2/5 shall be due to radioactivity released to the atmosphere.

The Health and Safety Division and, in particular, its Radiation Protection Group assist the Director-General in the implementation of this policy.

¹ The annual limit for whole-body exposure according to Host-State legislation, ICRP 26, and the recommendations of the European Communities (Off. J. Eur. Comm., vol. 23, L 264, 17.9.1980) is 5 rem/y (50 mSv/y).

² The limit for individual members of the public is 1/10 of the limit for annual exposure i.e. 0.5 rem/y (5 mSv/y).

³ 50 mrem/y (0.5 mSv/y).

Le Comité de Surveillance des Restaurants s'est réuni le 19 juin 1981 afin de considérer des propositions d'augmentation de prix pour les Restaurants Nos. 1 et 3.

Les augmentations pour le Restaurant No. 1, applicables à un nombre restreint de mets et de boissons, ont été considérées comme justifiées, vu les hausses concernant le coût des salaires et des ingrédients depuis les dernières augmentations, il y a cinq ans. La liste de mets et de boissons dont les prix ont été augmentés sera affichée à l'entrée du restaurant.

Pour le Restaurant No. 3, les augmentations correspondent à la variation de l'indice des prix dans les restaurants d'entreprises, publié par l'INSEE.

Les augmentations de prix seront appliquées dès le 1er juillet 1981.

Service Administratifs
Division du Personnel
Tél. 3207

The Restaurants Supervisory Committee met on 19 July 1981, to consider price increases proposed for Restaurants Nos. 1 and 3.

The increases in Restaurant No. 1, which apply to a limited number of dishes and drinks, were considered to be justified, in view of rises in their costs concerning salaries and ingredients since the last increase, five years ago. A list of the items for which prices have been increased will be displayed at the entrance to the restaurant.

In Restaurant No. 3, the increases correspond to the movement of the index of prices in "restaurants d'entreprises" published by INSEE.

The price increases will be effective from 1 July 1981.

Administrative Services
Personnel Division
Tel. 3207

SEMINARS SEMINAIRES

MONDAY 29 JUNE

EP SEMINAR

at 17.00 hrs - Auditorium

"Muonproduction of psi 3.1 at Fermilab"

by T.W. Markiewicz/LBL, Berkeley

Abstract: Final psi results from the Berkeley-Fermilab-Princeton muon scattering experiment are presented. Data are divided into elastic and inelastic production categories and the dependence of the effective photoproduction cross-section on energy, mass squared, inelasticity, psi transverse momentum, etc. shown for each. Results are compared to perturbative QCD calculations.

TUESDAY 30 JUNE

PRESENTATION TECHNIQUE

09h30/12h00 et 14h00/16h00
Bâtiment 73, salle 2-027

AGELTRO (CH) représentant divers fabricants expose: Condensateurs HT, multicouches, d'ajustage (D), à feuille (GB), résistances HT (D), ferrites (USA), diodes HT, alimentations, redresseurs (GB), oscillateurs à quartz, filtres passe-bas, (CAN), câbles de commande, à haute résistance thermique, aux radiations (D), piezo alarme.

TECHNICAL PRESENTATION

10.00 - 12.00 hrs and 14.00 - 15.30 hrs,
Building 17, Room 1-007

AMERACE (B/USA), represented by Intec AG (CH), and Intec will exhibit: connectors and strips

for printed circuits, timing and industry relays from Amerace N.V. - diodes, transistors and bridges (Mil. spec.), from Sensitron (USA) - high frequency transistors from CTC (USA) - power supplies and convertors from Intec (NL) - lamps and switches from Arcoelectric (UK) - reedrelays from Steinecker (D) - minidecades from Gebu Electronic (CH) - printed circuits from CSP (I) - mica capacitors from Vernitron (UK).

CERN COLLOQUIUM

at 16.30 hrs - Auditorium*)

"A physicist's view of the central nervous system"

by L. Cooper / Brown University and
Université de Paris

Abstract: Networks of nerve cells (neurons) have been constructed that can learn and can organize themselves to acquire some of the properties of animal memory. Learning comes about through the modification of synaptic functions (connections) between neurons. The crucial hypothesis thus concerns the form of this synaptic modification. We attempt to test our ideas concerning synaptic modification by applying them to the development of selectivity and ocular dominance in cat visual cortex, where much experimental data has been obtained in the last twenty years. This leads to a theory of synaptic evolution based on sets of coupled non-linear stochastic differential equations. Analysis and computer simulations show this theory in good agreement with classical experimental results. In addition we obtain some new predictions that can be tested.

*) Those attending this colloquium are cordially invited to the Salle des Pas perdus (just outside the Council Chamber) at 16.00 hours to meet the speaker and for informal discussions. Tea and coffee will be provided.